## What is claimed is:

- 1. A paper/plastic laminate comprising:
  - a paper web having a top and bottom surface,
- a plastic film having a top surface and a bottom surface, the top surface of the plastic film being adhered by a 100 percent solids adhesive to the bottom surface of the paper web forming a paper/plastic laminate, the paper/plastic laminate being dimensionally stable;

wherein the top surface of the plastic film includes at least one printed image; and

wherein the paper web is treated to inhibit penetration of the 100 percent solids adhesive.

- 2. The paper/plastic laminate of claim 1 wherein the paper web is treated with a metal salt at the rate of about 50 pounds per 1000 pounds of starch or more.
- 3. The paper/plastic laminate of claim 2 wherein the metal salt is sodium nitrate.
- 4. The paper/plastic laminate of claim 2 wherein the metal salt is sodium chloride.
- 5. The paper/plastic laminate of claim 1 wherein the plastic film has a thermal heat shrinkage of less than about 2.0 percent.
- 6. The paper/plastic laminate of claim 1 wherein the plastic film has a mechanical tensile strength greater than about 29,000 psi.
- 7. The paper/plastic laminate of claim 1 wherein the printable paper sheet has an opacity greater than about 77 percent.
- 8. The paper/plastic laminate of claim 1 further comprising optical brightening agents sufficient to give an overall brightness greater than about 83 GE brightness.

- 9. The paper/plastic laminate of claim 1 further comprising a sizing agent positioned within the paper top surface.
- 10. The paper/plastic laminate of claim 1 wherein the paper has a surface treatment creating an electrostatic level greater than 10<sup>9</sup> SER.
- 11. The paper/plastic laminate of claim 10 wherein the electrostatic level is less than about 10<sup>12</sup> SER.
- 12. The paper/plastic laminate of claim 11 wherein the surface treatment comprises a sodium compound.
- 13. The paper/plastic laminate of claim 12 wherein the surface treatment comprises sodium nitrate.
- 14. The paper/plastic laminate of claim 12 wherein the surface treatment comprises sodium chloride.
- 15. The paper/plastic laminate of claim 1 wherein the paper has an overall moisture content less than about 5 percent.
- 16. The paper/plastic laminate of claim 15 wherein the paper has an overall moisture content between about 4 and 5 percent.
- 17. The paper/plastic laminate of claim 1 further comprising a second paper web having a top surface, the top surface of the second paper web being laminated to the bottom surface of the plastic film bottom using a 100 percent solids adhesive; and

wherein the second paper web is treated to inhibit penetration of the 100 percent solids adhesive.

18. The paper/plastic laminate of claim 17, wherein the bottom surface of the plastic film includes at least one printed image.

19. The method of making a dimensionally stable paper/plastic laminate comprising:

selecting a paper web that is treated to inhibit penetration of a 100 percent solids adhesive, the paper web having a bottom surface,

selecting a plastic film having a top surface,

printing at least one image on the top surface of the plastic film, and laminating the paper web bottom surface to the plastic film top surface using a 100 percent solids adhesive, the paper web, plastic film and 100 percent solids adhesive being selected such that the laminated combination is dimensionally stable.

- 20. The method of claim 19 comprising the additional step of laminating a top surface of a second paper web to a bottom surface of the plastic film.
- 21. The method of claim 19 comprising the additional steps of printing at least one image on a bottom surface of the plastic film prior to laminating a top surface of a second paper web to a bottom surface of the plastic film.